

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG03/00195

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: A61K 35/78; C12Q 1/02, 1/66; A61P 5/24, 15/02, 15/00, 25/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI, MEDLINE: Keywords: Chuanxiong, rhizoma, ligusticum, progestogen, menstruation, menopause, pregnancy, ovarian, brain, stroke, progesterone receptor, PR-A, PR-B, reporter gene, luciferase, transfect, HELA and related terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4708949 A (LIU) 24 November 1987. Example 2, col. 7 and claim 13	1-14, 17-24, 32-36, 48-53
X	Derwent Abstract Accession No. 2002-733730/80, Class B04, CN 1360900 A (BAI M) 31 July 2002 abstract	1-14, 17, 22, 24

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "B" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
20 October 2003Date of mailing of the international search report
23 OCT 2003Name and mailing address of the ISA/AU
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HERBASIN(SHENYANG) Co. Ltd., Herbasin Chinese herb database - Rhizoma Chuanxiong (Chuan Xiong)(archived 1 February 2002, retrieved on 17 September 2003). Retrieved from the Internet: <URL: http://www.herbasin.com/database/chuanxiong.htm	25-36, 41-53
X	ZAFAR N. et al. The Pure Antiestrogen ICI 182,780 Inhibits Progesterin-Induced Transcription. Cancer Research, 15 January 1999, vol. 59, pages 372-376. Page 372 right column - page 373 left column, first paragraph.	37-39
X	KAHMANN S. et al. Synergistic Enhancement of PR _B - Mediated RU486 and R5020 Agonist Activities through Cyclic Adenosine 3', 5'-Monophosphate Represents a Delayed Primary Response. Mol. Endocrinology, February 1998, vol. 12(2), pages 278-289 Pages 279-280	37-39
A	Derwent Abstract Accession No. 2001-375351/40, Class B04, CN 1256143 A (SOUTHWEST CHINA DESIGN INST. CHEM. ENG. MIN) 14 June 2000 abstract	1-24

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos :
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos :
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. Claims 1-36 and 40-53 are directed to a method for the isolation and purification of phytoprogestogenic extracts from *Rhizoma Ligusticum Chuanxiong*, their uses for conditions requiring progestogen therapy and a method of conducting assay of progestogenic activity of an extract of *Ligusticum Chuanxiong*.
 2. Claims 37-39 are directed to a kit for use in conducting progestogen receptor assay comprising HeLa cells transiently co-transfected with a first plasmid and a second using lipofectamine
1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
 2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
 3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

 4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG03/00195

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report	Patent Family Member
US 4708949	NONE
END OF ANNEX	

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